

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031819\
 Data File : VL033362.D
 Acq On : 18 Mar 2019 17:27
 Operator : SY/AP
 Sample : 0.4 MDL
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 MDL

Manual Integrations
 APPROVED

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 3/21/2019 12:14:28 PM

Quant Time: Mar 19 07:13:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 1
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	781422	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1723314	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.24	117	1886893	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1452013	10.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

Target Compounds					Ovalue
13) Ethanol	3.66	45	13770	0.721 ppbv	99
40) 1,4-Dioxane	7.99	88	8658m	0.426 ppbv	
66) Benzyl Chloride	17.16	91	30650m	0.265 ppbv	
80) Naphthalene,2-methyl-	25.12	142	38961	0.325 ppbv	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

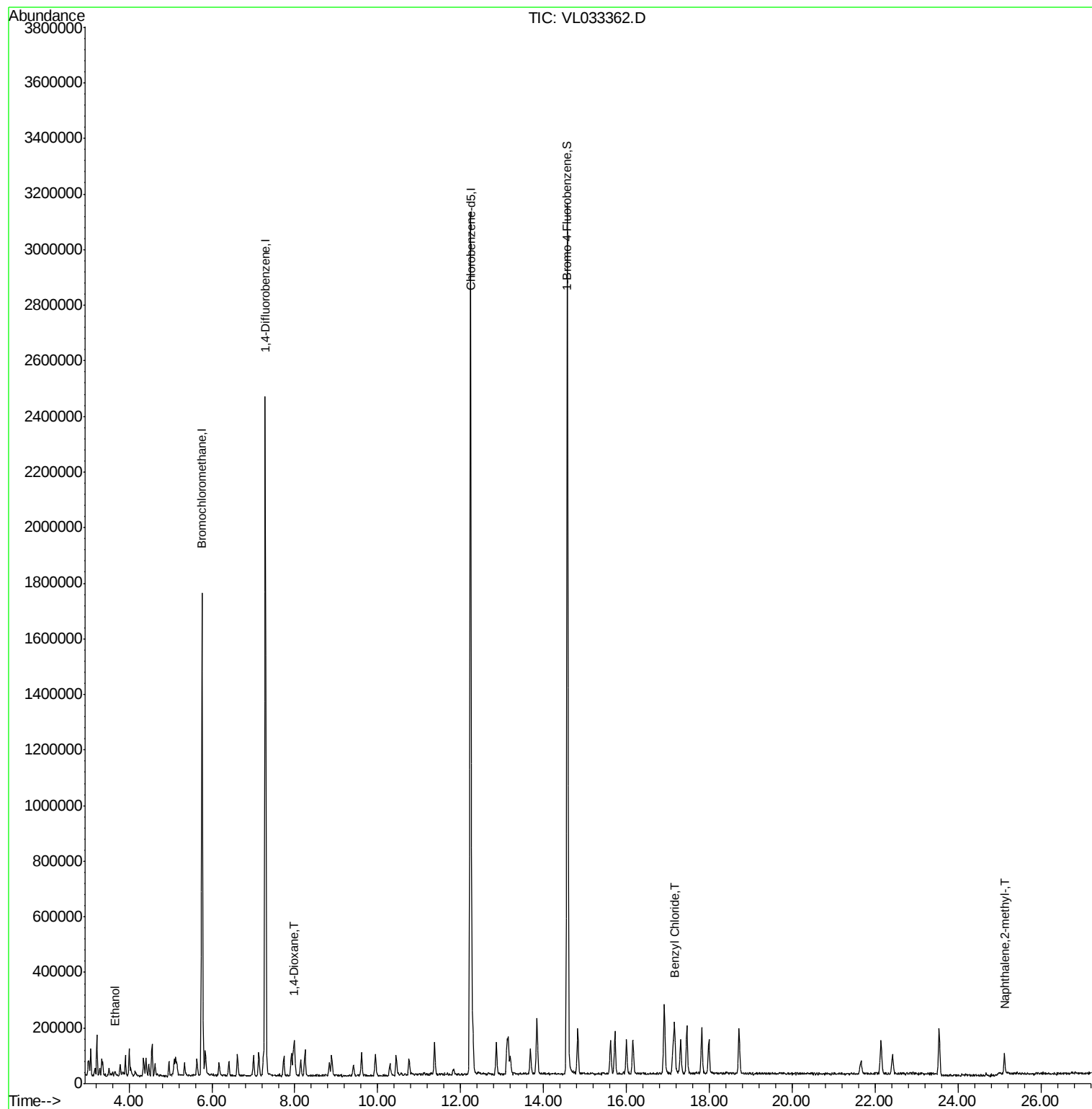
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL031819\
Data File : VL033362.D
Acq On : 18 Mar 2019 17:27
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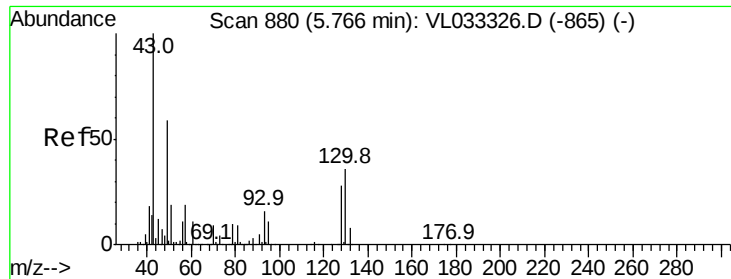
Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

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3/21/2019 12:14:28 PM

Quant Time: Mar 19 07:13:32 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration





#1

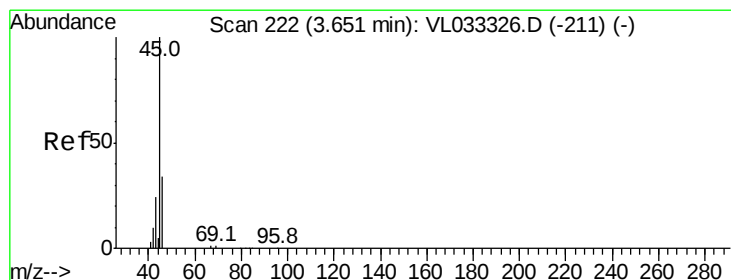
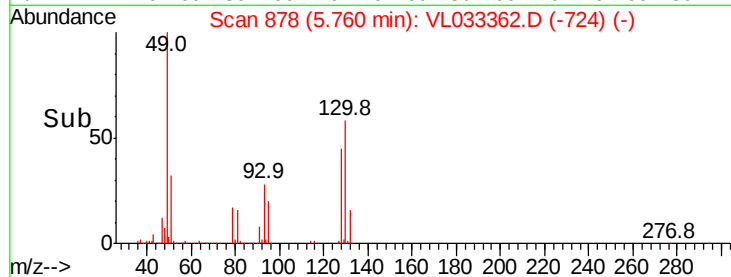
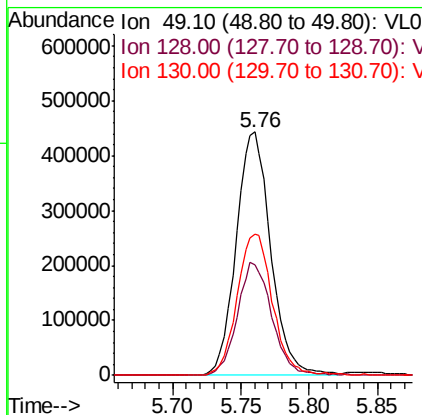
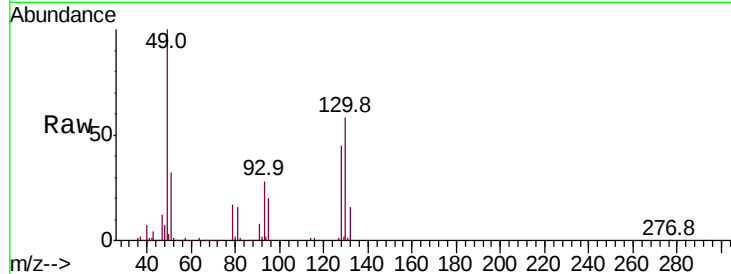
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.76 min Scan# 878
 Delta R.T. -0.01 min
 Lab File: VL033362.D
 Acq: 18 Mar 2019 17:27

Instrument :
 MSVOA_L
 ClientSampled :
 0.4 MDL

Tot Ion	Ratio	Lower	Upper
49	100		
128	46.4	23.5	70.6
130	60.0	30.1	90.3

Manual Integrations
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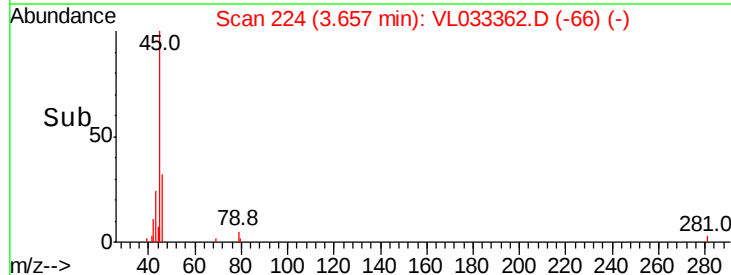
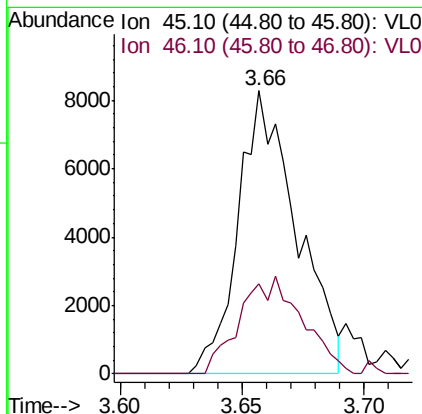
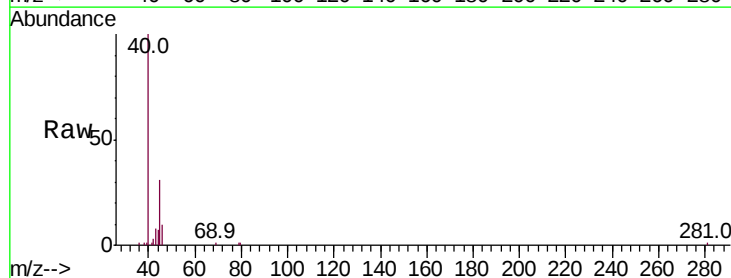
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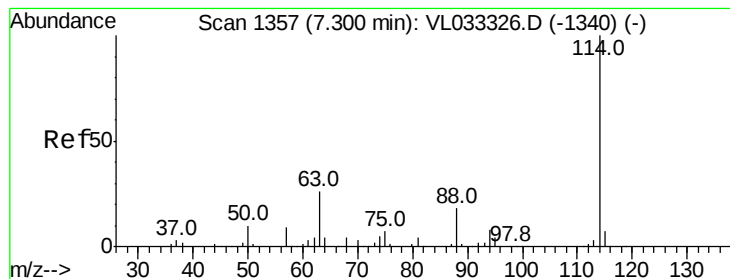


#13

Ethanol
 Concen: 0.721 ppbv
 RT: 3.66 min Scan# 224
 Delta R.T. 0.01 min
 Lab File: VL033362.D
 Acq: 18 Mar 2019 17:27

Tgt Ion	Ratio	Lower	Upper
45	100		
46	37.7	14.9	59.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.01 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

Instrument :

MSVOA_L

ClientSampleId :

0.4 MDL

Tot Ion:114 Resp: 1723314

Ion Ratio Lower Upper

114 100

63 26.7 21.4 32.2

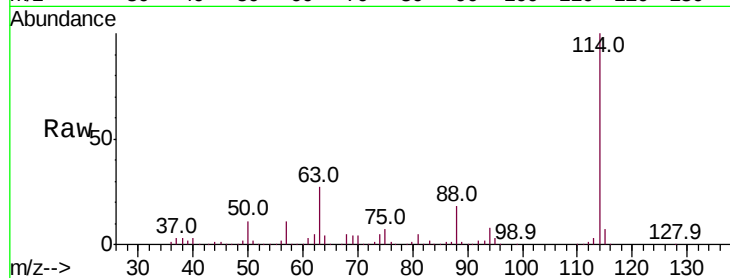
88 18.6 14.5 21.7

Manual Integrations

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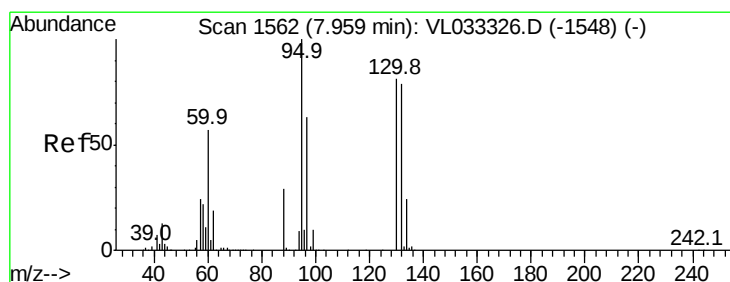
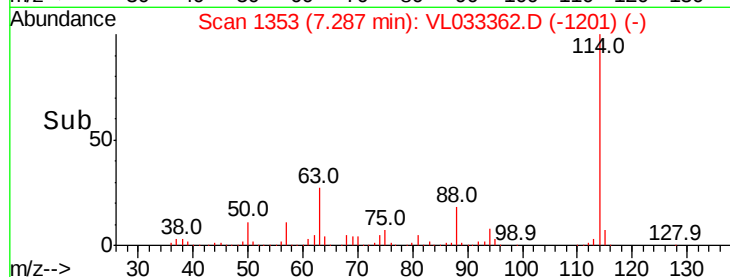
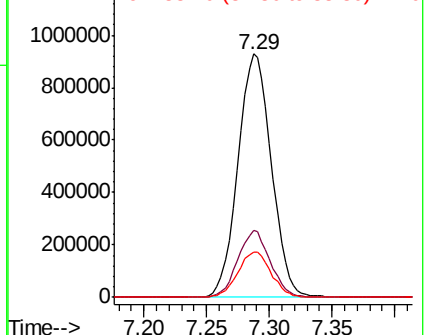
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#40

1,4-Dioxane

Concen: 0.426 ppbv m

RT: 7.99 min Scan# 1573

Delta R.T. 0.04 min

Lab File: VL033362.D

Acq: 18 Mar 2019 17:27

Tgt Ion: 88 Resp: 8658

Ion Ratio Lower Upper

88 100

58 0.0 107.9 161.9#

43 268.5 230.8 346.2

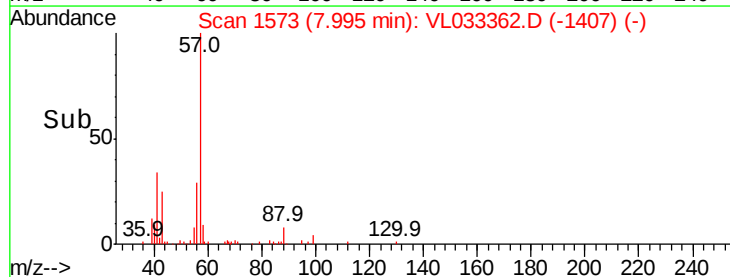
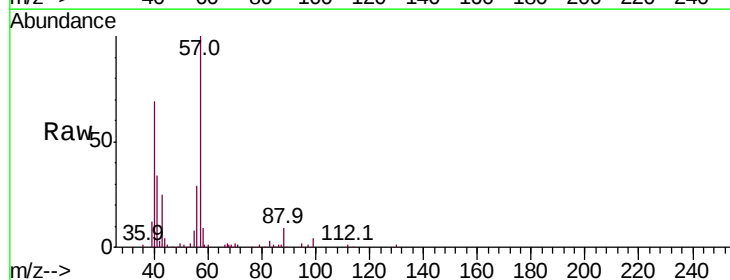
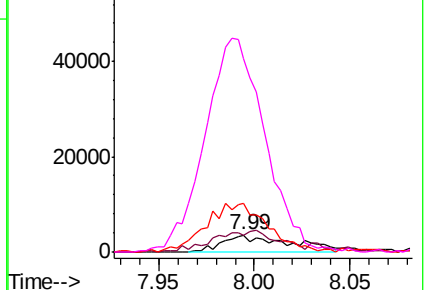
57 1133.4 1035.3 1552.9

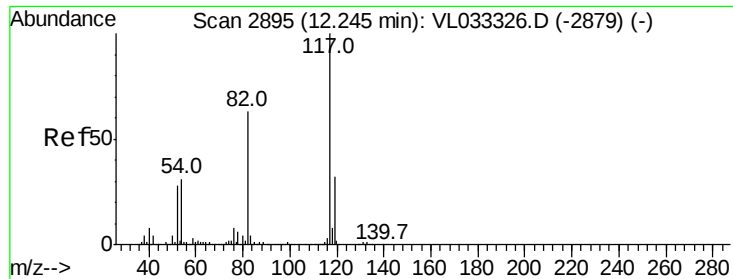
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





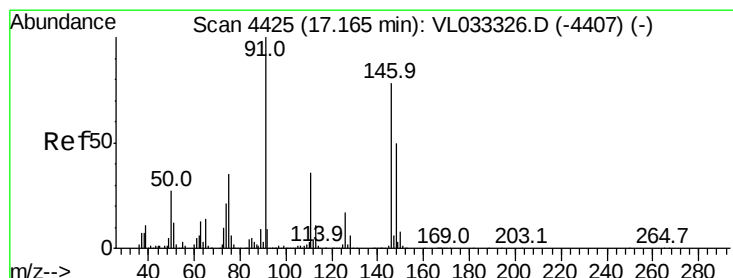
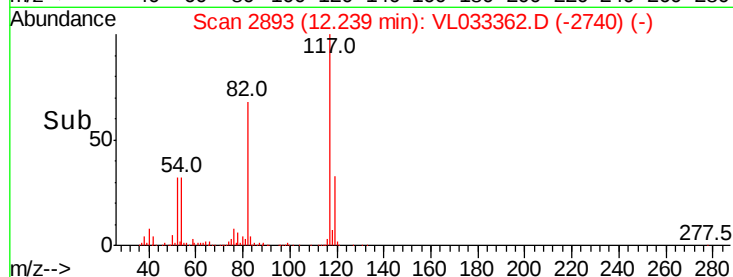
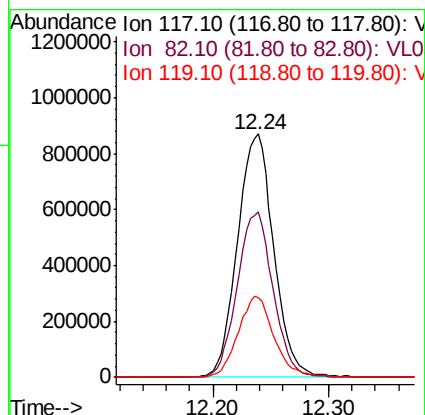
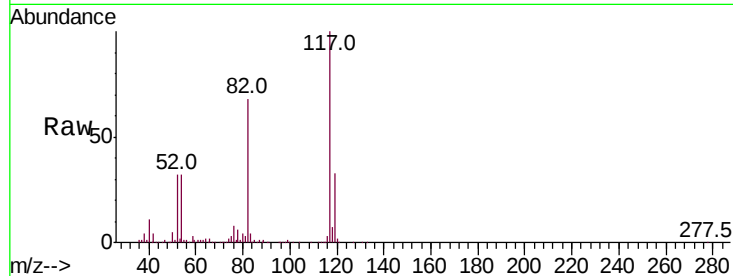
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033362.D
Acq: 18 Mar 2019 17:27

Instrument :
MSVOA_L
ClientSampled :
0.4 MDL

Tot Ion:117 Resp: 1886893
Ion Ratio Lower Upper
117 100
82 67.3 53.4 80.2
119 33.3 27.3 40.9

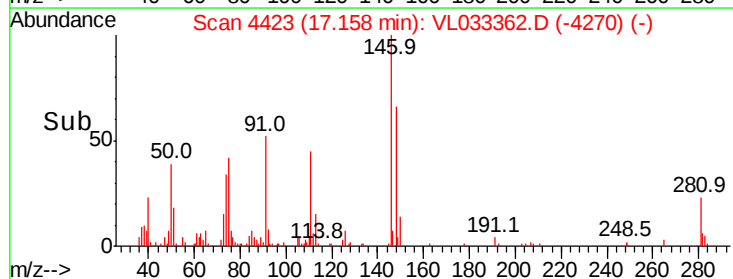
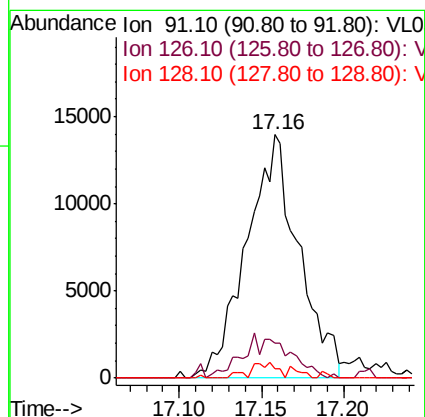
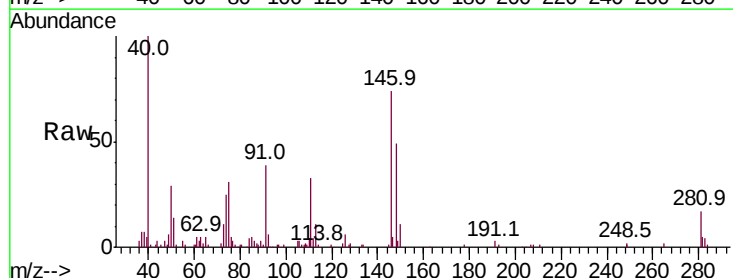
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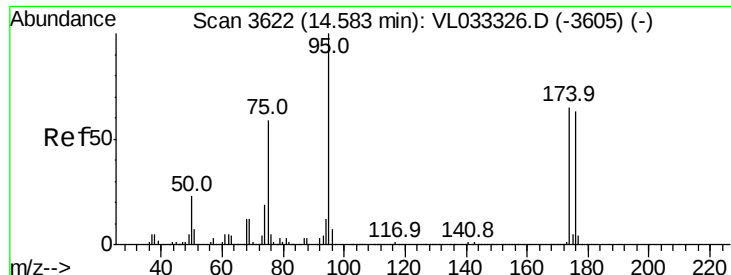
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#66
Benzyl Chloride
Concen: 0.265 ppbv m
RT: 17.16 min Scan# 4423
Delta R.T. -0.01 min
Lab File: VL033362.D
Acq: 18 Mar 2019 17:27

Tgt Ion: 91 Resp: 30650
Ion Ratio Lower Upper
91 100
126 16.9 13.2 19.8
128 4.7 4.2 6.4





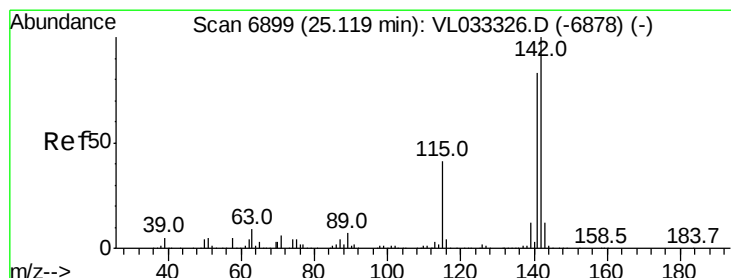
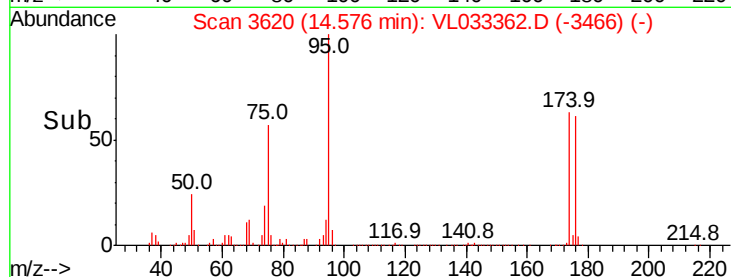
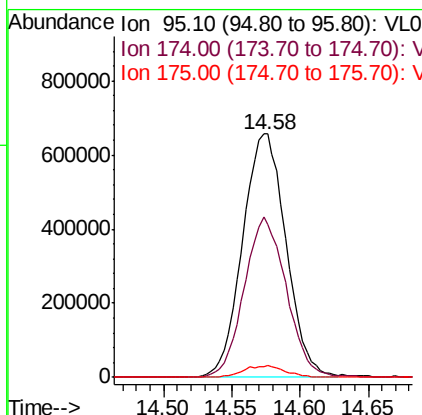
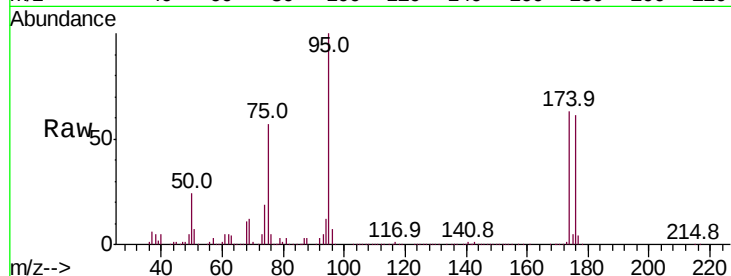
#68
1-Bromo-4-Fluorobenzene
Concen: 10.385 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL033362.D
Acq: 18 Mar 2019 17:27

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tot Ion: 95 Resp: 1452013
Ion Ratio Lower Upper
95 100
174 64.4 51.5 77.3
175 4.6 3.8 5.6

Manual Integrations
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#80
Naphthalene, 2-methyl-
Concen: 0.325 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. -0.00 min
Lab File: VL033362.D
Acq: 18 Mar 2019 17:27

Tgt Ion: 142 Resp: 38961
Ion Ratio Lower Upper
142 100
141 86.2 67.1 100.7
115 44.2 33.8 50.6

